

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971) using a Shimadzu 1010 spectrophotometer.

RICE \$2 $\frac{1}{4}$ PER MONTH

NEW ADVERTISEMENTS.



GOVERNMENT HOUSE, -
Hongkong, 23rd May, 1859.

OFFICE 3 in Command of Her Majesty's
Military and Naval Forces, Members of
both Councils, Bishops, Judges, Heads of
Government Departments, Chiefs-General
and Councils of Forts, Chiefs of Naval and
Military Office, of Field and of Correspondence
Rank, who intend to be present at the **LEVEE**
to the **QUEEN'S BIRTHDAY**, are requested
to be at Government House, at 20 Minutes
before 11 o'clock:

070] F. H. MALL
Acting Private Secretary.
NOTICE.
A. S. WATSON & Co, LIMITED.

... been appointed SECRETARY of the
company, and is authorised to Sign for it in
at Capacity.
JNO. D. HUMPHREYS,
General Manager.
Hongkong, 22nd May, 1889. 1008

MR. HENRY HUMPHREYS is authorised to Sign my name per procuration.
JNO. D. HUMPHREYS.
Hongkong, 22nd May, 1860. 11009

COMPAGNIE DES MESSAGERIES
MARITIMES.
NOTICE.
CONSIGNEES of Cargo from London.

... from Bordeaux, Ex S. S. *President Leroy Lallier*, in connection with above Steamer are hereby invited that their Goods, with the exception of Opium, Treasure, and Valuable, are being loaded and stored at their risks at the Com-

Optional Cargo will be forwarded on unless
information is received from the Consignee
more TO-DAY, at 1 P.M., requesting it to be
held here.
Bills of Lading will be countersigned by the

Goods remaining unclaimed after WEDNES-
DAY, the 29th inst., at Noon, will be subject to
t. and landing charges at one cent per package
diem.
All Claims must be sent in to me on or before
31st inst. or they will not be recog.

G. DE CHAMPEAUX, Agent.
Tongkong, 22nd May, 1899. 12
COMPAGNIE DES MESSEAGERIES
MARITIMES.
PAQUEBOTS POSTES FRANCAIS

FOR SHANGHAI, KOBE, AND
YOKOHAMA.
THE Company's Steamship
"MELBOURNE."
The steamer will be despatched for the

G. D. CHAMPEAUX,
Agent.
Hongkong, 23rd May, 1889. [2]
DOUGLAS STEAMSHIP COMPANY.

R SWATOW, AMOY, AND TAMSUI.
 HE Company's Steamship.
 "FOKIEN."
 Captain Lewis, will be despatched for the above.

DOUGLAS LA FRANK & Co.,
 General Managers.
 23rd May, 1849.

E SCOTT & CO. ORIENTAL STEAM-
SHIP COMPANY, LIMITED.
The Company's Steamer
"K. IG BENG."

For Freight or Passage, apply to
YUEN FAT HONG.,
Agents.
Hongkong, 22nd May, 1889. 1067

the gold value of silver must either now

the gold value of silver, must either pay away a larger percentage of his income in rent or be satisfied with a smaller house than he would have been able to afford when a thousand dollars represented two hundred pounds. Instead of only a hundred and fifty. Then come taxes. Income tax would of course be adjusted to his diminished income; but municipal rates, which have a tendency to increase rather than diminish, would be dependent upon the rated value of his house, and would be increased from the point of view simply of the pound sterling rent. Fees for medical attendances have not diminished in consequence of the appreciation of gold, the gain being pocketed by the doctor. If our retired official calls in a lawyer to make his will, he will find there has been no diminution in the lawyer's fee consequent upon his own diminished income. If he has children he will find the cost of education quite as high as it was before the appreciation of gold. He will find also that there has been some increase in the standard of living, to which he will be expected to conform if he intends to occupy the same relative position in society. Then come the numerous small expenses for miscellaneous goods, such as soap, tips for the waiter, he will hardly pass up the fact that 43s. is about the "quivalent" of what 50s. was, before gold went up; if he wants to go to the theatre he will find the prices there diminished, and so on throughout. Articles of consumption are undoubtedly cheaper, but taking the whole expenses of living, including luxury and amusements, £4,000 now will not go so far as it used to do. £5,000 did when the dollar exchange was 100.

Our correspondent, referring to the report of the Currency Commission, says:—"One side observed that 'the fall in the price of commodities may be in part due to the fall of gold,' and they believed that it was to be mainly due to circumstances independent of the fall of gold to silver. The other side dissented from this opinion." That is, the other side held that the fall in the price of commodities was wholly, or mainly, due to the appreciation of gold. Their colleagues admitted that it might be in part due to this cause. The latter division on the fact that gold prices had fallen in the London market to the cause of the fall. Our correspondent seems to imply that the statement in our number of the 15th May of the result of the Currency Commission's report was to some extent, inaccurate. To the extent to which it relied on that report we think we were wrong within our authority.

THE DISTRIBUTION OF THE WATER SUPPLY IN HONGKONG.

Although the Tiatum Waterworks have entered to the City of Victoria a full and untiring supply of good water, much remains to be done to distribute the blessing properly to the officers. Thus it happens that a portion only of the population can get the clean and filtered water from Tiatum, while the majority living in the central and western portions of the City still receive the muddy water from Pokoklum. While a large quantity of the Tiatum water is, perforce, now poured to run to waste, the Chinese in many parts find difficulty in obtaining supply, and so go up the hills and get it from the streams. They have even been seen washing their clothes in tankard up paddies near the roadside out of season. With the abundance of good water coming in from Tiatum this surely ought not to be the case. The first place, the area of supply from Tiatum Waterworks ought to be extended, and the residents now supplied from Pokoklum have their pipes connected with the Tiatum reservoir. Of course there are some houses on the higher levels that must be supplied by the Tiatum tanks to draw their water from Pokoklum, but they might get water for potable purposes from the storage tanks of Tiatum water until filter beds are installed at Pokoklum. For the benefit of the Chinese, too, we think that cisterns or tanks should be provided at intervals on the Chinese Road level, which could be fed from the present overflow of the Tiatum supply. This provision might be made in the form of labour saving tanks, and the poorer classes saved the expense of carrying water long distances to fetch their water. While on this subject, we would suggest to the Government the expediency of providing tanks for washing purposes for the Chinese in the more crowded portions of the town. In the interests of sanitation the more should be encouraged and assisted, as much as possible, to attain cleaner habits.

The provision of means for distributing the Tiatum supply effectively to the whole population may be accomplished by the Government, in considerable outlay. But no consideration should not, for a moment, be allowed to retard the work. We trust the Surveyor-General will address himself to this question as soon as he has had time to settle down, and then take in hand the improvement of the Pokoklum Works. It is possible that the latter may be pronounced a useful utility now that the heights are so low, so that the added high houses and the danger of sewage percolation into the water and watered has become apparent. Of course may be decided to use the water for drainage and cleansing purposes, giving a supply on the upper levels for extinguishing fires, &c., making the town dependent for supply of potable water on Tiatum alone, cleansed by tanks east and west in the streams on the northern slopes of the Tiatum Road. His Excellency the Governor has expressed his opinion of the necessity of something being done at once to improve the quality of the water now flowing from Pokoklum, and we can only hope that Mr. Baoww will speedily suggest a way to rectify the evil, which has given rise to so many just complaints.

s that His Majesty the Emperor has
tioned the building of a railway from

that His Majesty the Emperor has sanctioned the building of a railway from Peking to Shan-hai-kuan is very important for the country. That it is correct, we have no reason to doubt, but it is, we think, a fair speculation when these railways are built, that the Imperial Government will also have gained by the construction of the Yichery of the Two Kwang. His Majesty CHANG CHIEH-TUNG, though deeply inimical to foreigners, and by no means a friend to "innovation," is, like his predecessor, a man of common sense and of Chihli, quick to recognise the necessity of an undertaking that may be turned to the advantage of the country, and to refuse of defence to resist aggression. To this he is so much the more inclined, that he advocates the construction of railways; that many foreign countries, and particularly Germany, have already constructed, that may encourage him. What he sees is the necessity of a vulnerable strip of coast lies between

ultimating in every point the prime due for the design of this magnificent theatre, there still remains the question whether, considering the purpose for which it is built, it is not too spacious and costly. If the hall is to be used for the sole purpose of the school itself, mainly therefore the distribution of prizes once a year, it would obviously appear that, however much we may desire the possession of such a building, the cost of which it can be put would scarcely warrant the expenditure of so much public money. The college, it must not be forgotten, is for some educational purposes, and it is not for the sole educational purposes in the widest interpretation of the word, and we should strongly advocate its use for any public purpose which can be said to be of benefit to the community in general. As to whether the building is the best suited in construction and design that might have been provided for the requirements of a school, although in the general opinion it would appear to be well adapted for those who are best able to judge, after the college has been occupied and tested.

THE PROPOSED DIRECT CABLE FROM HONG KONG TO SINGAPORE

The following official correspondence on this subject has been handed to us for publication by the Hon. the Colonial Secretary of Commerce:

Hon. the Colonial Secretary to the Chamber of Commerce,
HONGKONG.

Sir,—Advising to His Excellency's Office, 12th April, 1889.

Sir,—Your letter of the 10th inst. correspondence, as directed by His Excellency with reference to the transmission to you, for the consideration of the Chamber of Commerce, the enclosed copy of a letter from the Manager in China, of the Eastern Telegraph Company, Limited, and the Great Northern Telegraph Company, of cyphergrams on the subject of a proposed direct telegraphic communication with an inland railway and cable line, are now as have all the advantages offered by the latter, it includes also that of communication with inland railway and cable line, is of great interest.

I am to add that His Excellency Adjutant Sir John Selmon has, since the date of the last communication, been of opinion that it is of great importance to the Chamber of Commerce, being of communication with Singapore, being of such that, even if the line were cut after a cable had been laid, it would be of great importance to the effect that war was imminent, and that it would be worth to this colony more than the cost of any subsidy that has ever been asked.

cial value as being near the route of the
between China and Australia.

value as being near the route of the cable between China and Australia. The circumstances His Excellency the Governor would have to revise the views of the Chamber on Mr. Judd's communication. I have, etc.

FREDERICK STEWART,
Colonial Secretary
to the Secretary, the Hongkong General Chamber of Commerce.

THE MANAGER OF THE EASTERN EXTENSION TELEGRAPH CO. TO THE COLONIAL SECRETARY, HONGKONG, 6th April, 1889.

SIR,—I have the honor to state the following for the information of His Excellency the Governor.

It will be within His Excellency's recollection in 1868, 1886, and 1888, the question of a cable from Hongkong to Singapore, not touching Foreign territory, was considered by this Chamber. At that time, however, my dissent in being taken into consideration.

It is now in stated by my Directors to establish His Excellency that the Authorities of British North Borneo have advised them with reference to the question, to establish a cable by means of a cable from Singapore to British North Borneo, touching en route at Labuan and Sarawak.

Should this arrangement be carried out, an extension would be effected by continuing the cable from North Borneo to Hongkong, leaving this a more direct communication with a rapidly developed country, and at the same time providing that alternative route to Singapore, which would be of great utility to the Colony, which is so generally recognised as policy, and is intrinsically important.

It would point out that the existing cables are insufficient to carry a considerable increase of traffic, and that the extension of the cable to the establishment of the proposed new route would be entirely insignificant in proportion to the large outlay, my Directors instructed me to state that the extension could only be considered on a consideration of the advantages subsidised by the Government interested. I would mention that the subsidies granted in 1844 of April 14th, 1888, were for a duration of 20 years, that being the period upon which the actual cost of the cable was based, and I am now instructed to enquire whether the present of Hongkong would be disposed to grant a subsidy for 20 years for this purpose, and if so, what amount.

I gather that the objections taken by the Chamber of Commerce to our former proposals was that the advantages were purely local.

...both political and commercial interests.

both political and commercial interests.
WALTER J. JUDG,
Manager in China,
Eastern Telegraph, Australasia,
and China Telegraph Co., Ltd.
J. F. Stewart, Ltd., Colonial Secretary.

THE CHAMBER OF COMMERCE TO THE
COLONIAL SECRETARY
HONGKONG General Chamber of Commerce,
Hongkong, 11th May, 1889.

—On the 17th April I had the honour to
receive a long and interesting communication of
kindly handing over to your communication of
the 17th April, 1889, from Mr. J. F. Stewart,
J. F. Stewart, Ltd., Manager in China of the Eastern
Telegraph, Australasia, and China Telegraph
Company, being in continuation of previous cor-
respondence, and in which the Chamber of Com-
merce proposed to a proposed special cable be-
tween Hongkong and Singapore.

—On the date of my letter, as above, the sub-
ject of telegraphic communication with Singa-
pore was under consideration of the Com-
mittee of the Chamber of Commerce, and I
am directed to state for the information
of your Excellency the Governor that though
the Chamber of Commerce have since the
17th April, 1889, when they last met, been dis-
cussing you on the same subject, they do
not consider the changes are in themselves of
importance to necessitate any modifi-
cation of the Chamber of Commerce's

with the promising territory which British
Borneo has now become is no doubt a

With the promising territory which British Borneo has now become is no doubt a source of very considerable commercial importance, but the Committee are not of opinion that every lawless adventurer is entitled to attach the Imperial Government to deal in its title to increase the distresses of two such important coaling stations as Singapore and Hongkong.

The above views are strengthened by the fact that the authorities readily admit the necessity of complete effectiveness at Easter conference, and the Committee of this Chamber are still deeply concerned the appropriation of the Colony's revenue to subsidise telegraphic cable—I have, etc.

F. HENDERSON,
Secretary.
F. P. Stewart, LL.D., Colonial Secretary.

CABLE DRAINAGE SYSTEM AT THE PEAK

The following petition, signed by its number amongst the Peak, has been forwarded to me on behalf the Governor:

"We, undersigned residents at the Peak and vicinity, do hereby protest against the proposed Cable Drainage System at the Peak."

Mr. Yur Sur Wan succeeded.
Carried unanimously.

The Chairman said there would have to be another meeting a fortnight hence to consider new resolutions, and he trusted as many as possible of those present would attend them.

Mr. Daxey asked whether the directors had considered the suggestion made some time ago that they should have another steamer to run to M'cao.

The Chairman—She is ordered already. The steamer is intended for that line. She is to be called *Hung Shun*, out of compliment to our district.

A vote of thanks to the Chairman. Directors Secretary rising has been carried, the meeting terminated.

THE HONGKONG AND KOWLOON WHARF AND GODOWN COMPANY, LIMITED,

An extraordinary general meeting of the Hongkong and Kowloon Wharf and Godown Company was held at the company's office, Hongkong, on the 20th inst., for the purpose of passing the following resolution, viz.—That the company may from time to time reduce its capital. There were present—Hon. J. J. Kewrick (Chairman); Hon. C. F. Chubb; Hon. B. Layton, Messrs. W. G. Wilson, J. A. S. Smith, J. T. Bell, E. A. Johnson, J. S. Mills, Messrs. C. C. Michener, N. C. Jones (Directors), E. George, D. McCallnech, J. Eskeel, and E. Osborne (Acting Secretary). The CHAIRMAN said—Gentlemen, you have heard the notice convening the meeting, and I am business before us is purely formal. I urge

company may from time to time reduce its capital."

company may from time to time reduce its capital.

MR. McCULLOCH—May I ask the object of the resolution, the immediate special object?

MR. CHAMBERLAIN—Simply to complete the association of the shareholders of the present corporation on a new basis of association. On such a way that if in six months, or six years, we wished to reduce our capital could do so.

MR. McCULLOCH—But is there to be any increase of capital?

MR. CHAMBERLAIN—Not that I am aware of, with exception of the reduction already intimated.

MR. B. LATYON seconded the resolution, which was carried *unanimously*.

He concluded the business of the meeting.

ARREST OF BOARD THE C. N. STEAMER "CHANGSHA."

AS soon as the steamer *Changsha* arrived on Monday morning, the 18th inst. from Annapolis, she was arrested by the revenue cutters.

... of Graham on suspicion of his being a

[illegible]

name "J. F. Leim." He was brought
by Mr. Woodhouse at the Police Court in the

[illegible]

Worship said if a mistake had been made had

Worship said if a mistake had been made in the interview, he was afraid he could not explain but remained the case as present until information was received from Australia.

He said he would call for the Inspector to commit him to the Superintendent of Police on the matter.

The Superintendent of Police said he would refer it to the Captain Superintendent, who said that a telegram should be sent to Australia at once.

Mr. Worship said he supposed the accused must find bail.

He said only the only property he had was \$200 found in his possession.

Worship said that would not be nearly enough to get him out of jail.

He rounded the case for the afternoon.

He said it sooner if it could be gone on tomorrow.

Worship said applied for his shackling and release.

Worship said the whole of the property still remain in the possession of the Police.

In the case of John Ferdinand Leman, who was arrested on the 19th inst. on board the *Changsha* on suspicion of being a Chinese opium dealer and charged of embezzling £2,920 from Bank of Victoria, Melbourne, Mr. Webber, the 20th inst., appeared at the Police Court and asked for his release.

Mr. Webber said he wished

In the first place, who was the proponent of
present case. If his Worship would not

in the first place. Who was this prosecutor who was not a member of the bar? He would not let the release he should have to apply Supreme Court for a writ of *habeas corpus* be applied for the reason. Mr. Webster said on the ground that defendant was not the man. Mr. Webster having given permission for the taking of certain witnesses for the purpose of examining them. When Inspector Horspool was placed in the dock examined by Mr. Webster: He said: "I am a Superintendent of Police received a letter from you on the 2nd inst. asking me to issue a warrant on certain sworn information. Mr. Webster: Where is that information?" Inspector Horspool: "In my pocket." Mr. Webster then asked the Magistrate for remission. Mr. Webster said he had not got it, but it is in my pocket. He was examining in a few minutes minutes minutes having elapsed and the information not appearing, Mr. Webster said he presumed it had been mislaid. Mr. Webster said he would not give any information on that point. Mr. Webster said he must also presume it was in my pocket."

Chief Inspector. Hopwood said that he was not informed by the Captain Superintendent of Police to apply for the release of the prisoner. The Captain Superintendent asked that he should be detained, and he held out since that was what he should be released.

His Worship:—As I said before, you are aware that when the Police intimate to me that they have a man in custody, I have no objection. Mr. Webber said he next wished to call, Inspector Corcoran. He went out to call some one else to show why the man should not be detained, but he did not come. I have not a charge of obtaining a false certificate, or a special order whereby his rendition or extrication was asked for.

His Worship said that he was doubtful about giving the evidence Mr. Webb was mentioning. Webber:—Then your Worship refuses it? His Worship:—It seems to me irregular. Mr. Webb:—Then you refuse it. I am only offering the evidence in support of what I am saying, whether you refuse it or not. By refusing you are assisting to detain the man. If this man is not released after stops, and more examinations, he will be kept in custody, and I will ask your Worship, also if the information given is correct.

His Worship:—It is being looked for.

Inspector:—I take it that the information of the fact of the man being in custody was not incorrect.

His Worship:—You can come to witness on your own life upon that.

Inspector:—I will call the Chief

Mr. Webster—I wish to call Inspector Con-

[illegible]

House Esquire on or about the 15th day of May,

